



SDR Battery Connector Color Practice

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NOTE: SDR Convention on assembled robots 2014 forward

Lead Acid

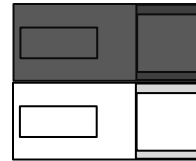
NiMH

Li-ion/LiFePO4

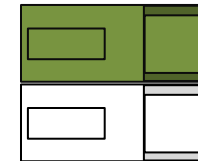
12V
(Nominal)



Ground
12V

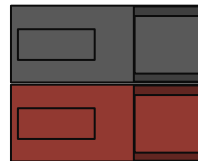


Ground
12V

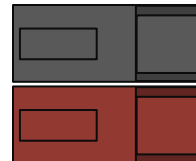


Ground
12V

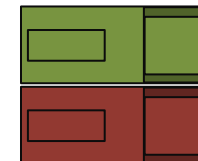
24V
(Nominal)



Ground
24V

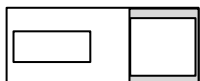


Ground
24V
Thermo



Ground
24V

White



Green



Blue



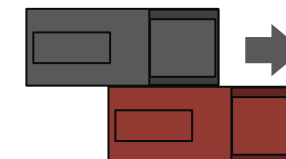
Red



Black



When securing the plastic housings
"Ground goes into Hot"



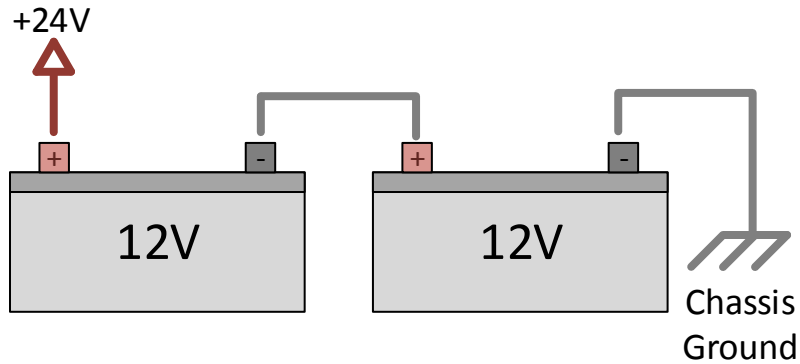
Ground
Hot



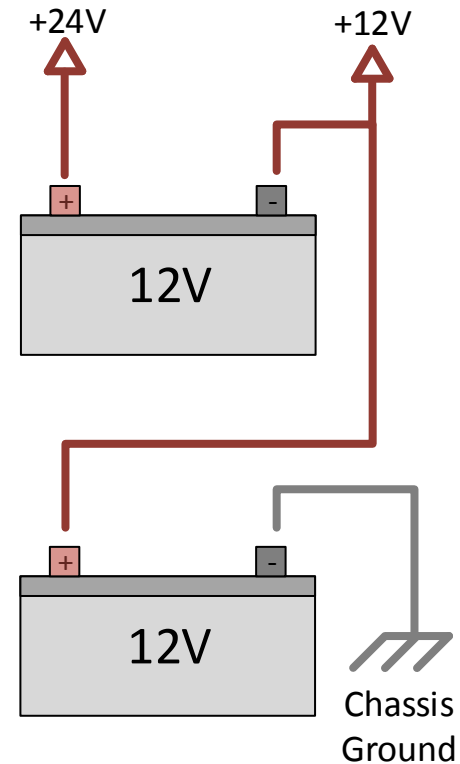
Battery Wiring

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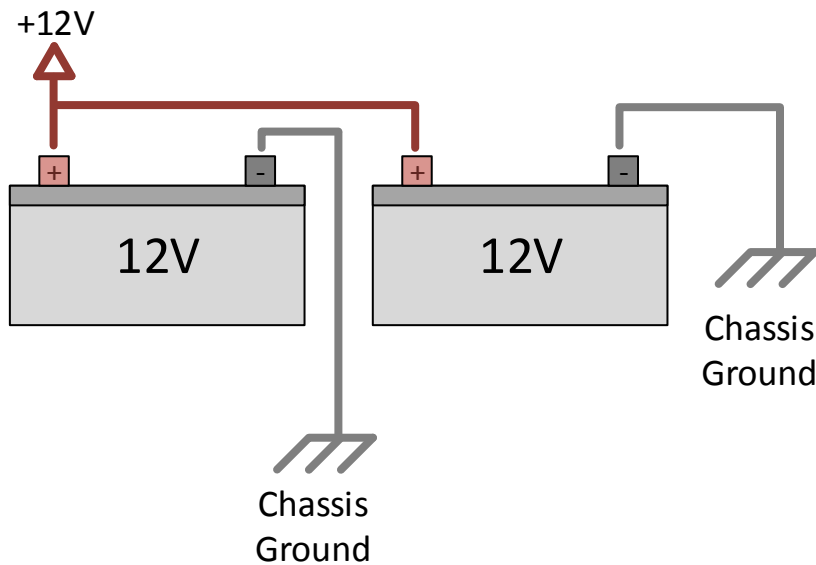
Series



Split Load



Parallel

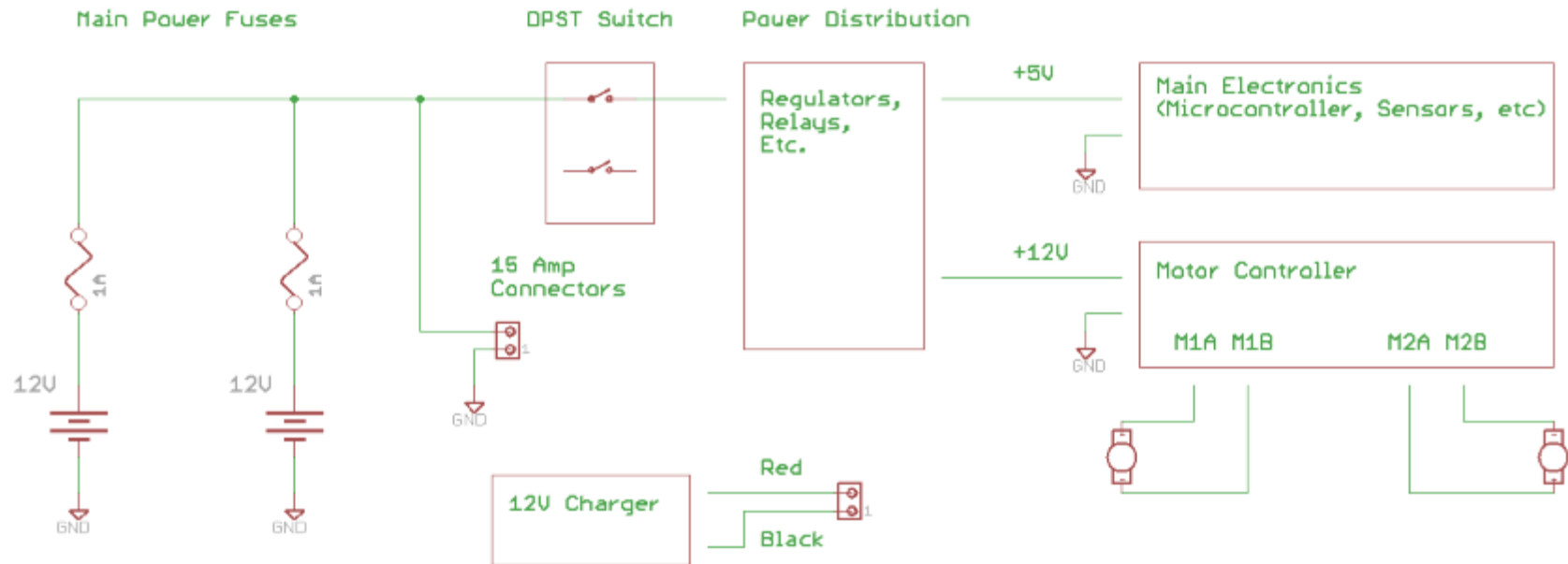


SAFETY NOTICE:
All positive (red) battery terminals
should be fused.



Typical ATR Power Hookup – 2WD Light Duty

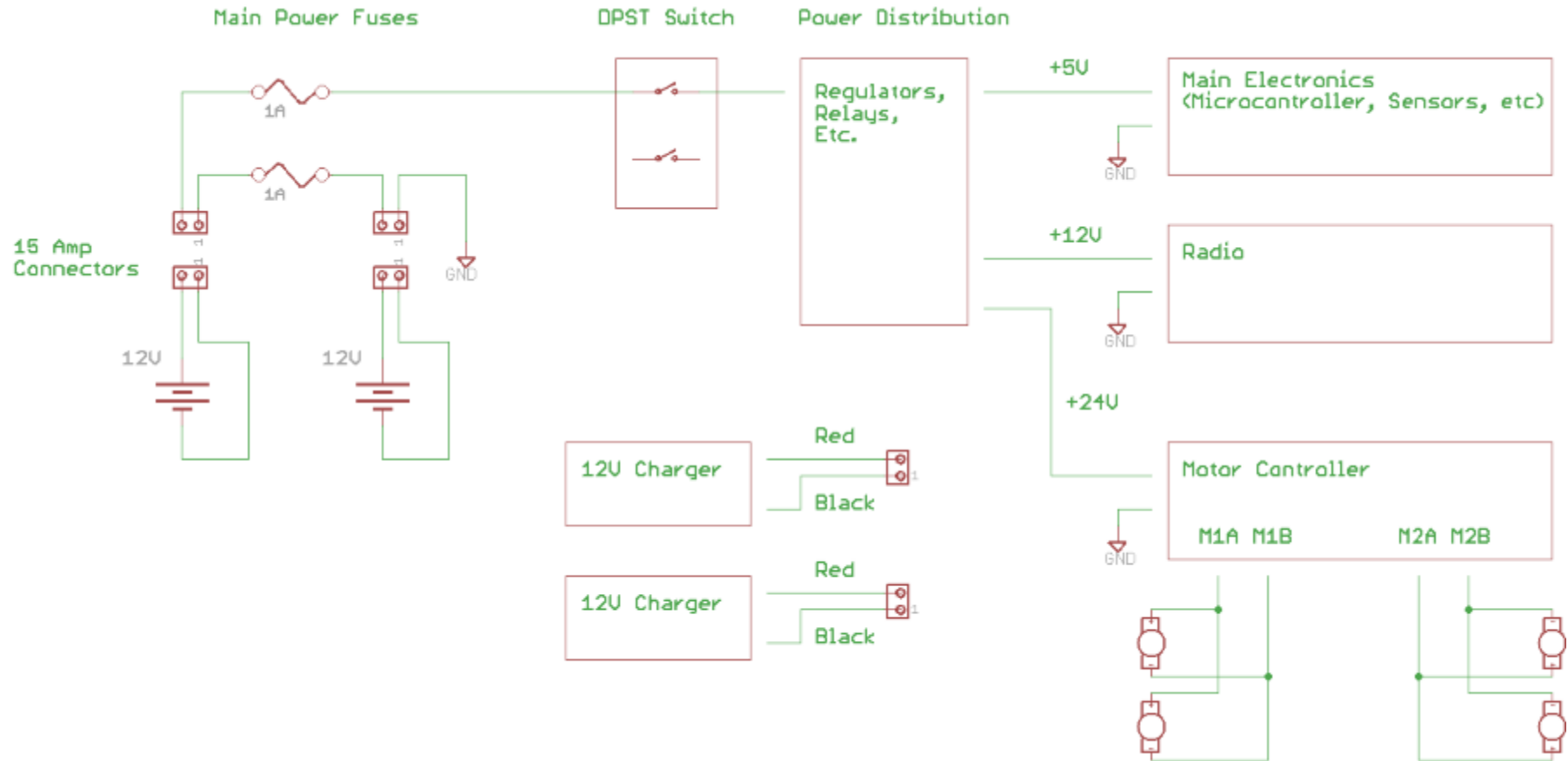
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Typical ATR Power Hookup – 4WD Medium Duty

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Typical ATR Power Hookup – Heavy Duty

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